Data sheet

OpDAT breakout cable 24x1 OS2 class D_{ca}

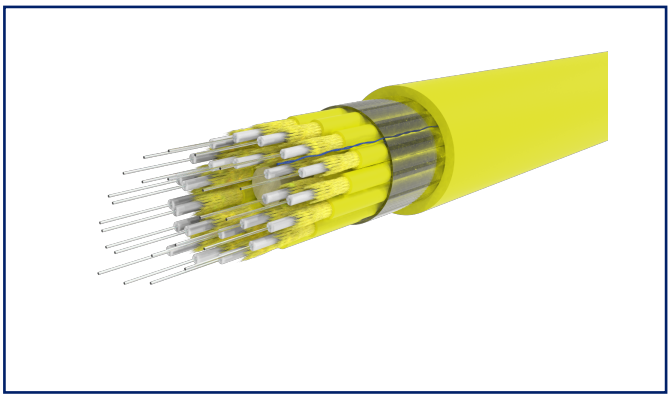
P/N 150B0249D010M

EAN 4251394653600

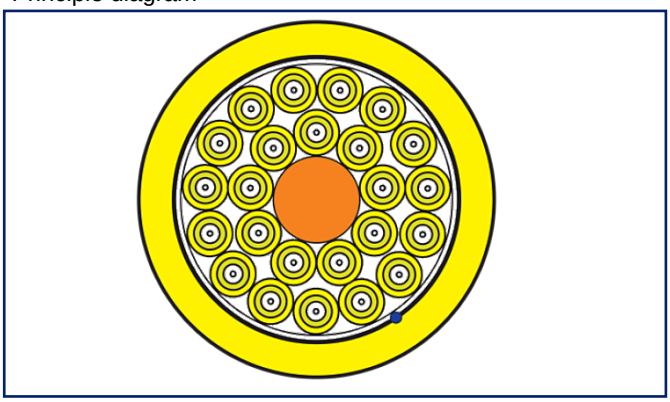
2026/09/29

Version: K

Illustrations



Principle diagram





See enlarged drawings at the end of document

Product specification

- connection cable I-V(ZN)HH
- breakout cable for direct connector termination for indoors and outdoors
- bend insensitive fiber
- cable jacket: LSHF-FR
- UV-resistant, metal-free, longitudinally watertight
- cable structure: several separately strain relieved cables in one outer jacket
- strain relief: aramid
- applicable standards: EN 50173-1, ISO 11801 2nd edition, IEC 60794-2, IEC 60794-2-10, EN 187000
- fire behaviour: class Dca s1 d1 a1 acc. to EN 50399 (classification acc. to EN 13501-6)
- variants: number of OS2 fibers: 2x1, 4x1, 8x1, 12x1, 24x1
- variants: number of OM5 fibers: 4x1, 8x1, 12x1
- variants: number of OM4 fibers: 2x1, 4x1, 8x1, 12x1, 24x1
- variants: number of OM3 fibers: 2x1, 4x1, 8x1, 12x1, 24x1
- all available variants can be created with the configurator

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Technical Data

General Data	
Fields of application	interior structured building cabling office areas
Transmission technology	Fiber optic
Mode type of the fiber	Singlemode
Fiber class	OS2
Cable Type	breakout cable
Number of cables/ buffered fibers	24
Number of fibres each cable/ wire	1
Weight	210 kg/km
Jacket color	yellow
Geometric characteristics	
Outer diameter cable jacket (mm)	14.5 mm
Outer diameter cable jacket (inch)	0.571 in.
Core-/ Fiber cladding diameter	2mm / 900µm
Mechanical data	
strain relief	aramide yarn
Tensile strength during operation	1500 N
Maximum installation load (max.)	4500 N
Maximum installation load	210 mm
Maximum operating bending radius	280 mm
Impact resistance	5 J
Crush (compressive strength)	1500 N/100 mm
Torsion resistance	5 cycles ± 1 rotation
Fire load	3600 MJ/km
Materials and material properties	
Halogen free	yes
Metal-free	yes
UV-resistance	yes

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Technical Data

Environmental conditions

Temperature (min. - max.)		
Temperature - Storage °C	-40 °C - 70 °C	
Temperature - Storage °F	-40 °F - 158 °F	
Temperature - Operating °C	-20 °C - 70 °C	
Temperature - Operating °F	-4 °F - 158 °F	
Temperature - Installation °C	-20 °C - 70 °C	
Temperature - Installation °F	-4 °F - 158 °F	

Standards/Regulations

Common test methods for cables under fire conditions		
Fire behaviour - class (EN 50399)		Dca

Classifications

ETIM 7.0	EC000034
ETIM 8.0	EC000034

Packing details

Type of packaging	1 pc(s) / drum

Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way.

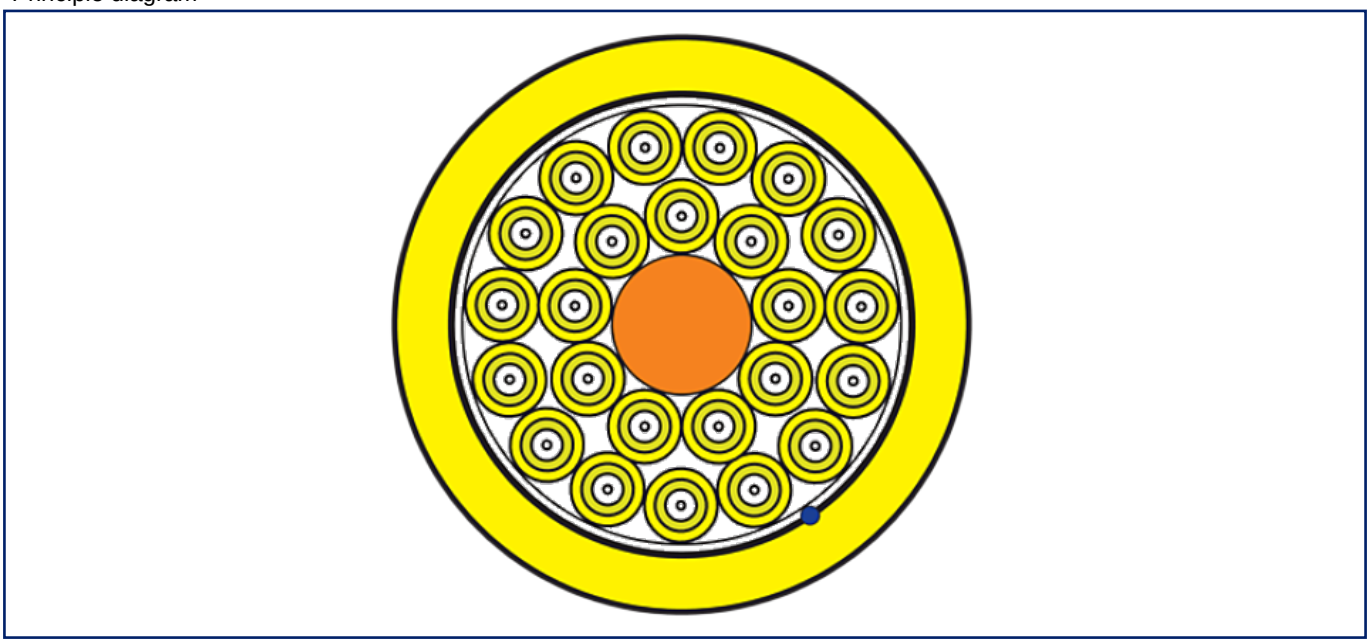
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